

Table ENG-4. - Building Site Development

Washington County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Allegheny	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Ingledove		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wheeling		Not Rated		Not Rated		Not Rated	
1C:							
Allegheny	85	Somewhat limited Frost action Slope	0.50 0.16	Very limited Cutbanks cave Slope	1.00 0.16	Somewhat limited Slope 0.16	
Ingledove		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wheeling		Not Rated		Not Rated		Not Rated	
2A:							
Atkins	75	Very limited Depth to saturated zone Frost action Flooding	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Ponding 1.00	
Ernest		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	

3D:

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
3D:							
Berks	75	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	1.00
		Depth to hard bedrock	0.06	Cutbanks cave	0.10	Depth to bedrock	0.06
Bland		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
3E:							
Berks	75	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	1.00
		Depth to hard bedrock	0.06	Cutbanks cave	0.10	Depth to bedrock	0.06
Bland		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
3F:							
Berks	75	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	1.00
		Depth to hard bedrock	0.06	Cutbanks cave	0.10	Depth to bedrock	0.06
Bland		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
4D:							

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4D:							
Bland	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.90
		Depth to hard bedrock	0.90	Too clayey	0.50	Droughty	0.16
Berks		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Soils less than 20 inches deep to bedrock		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
4E:							
Bland	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.90
		Depth to hard bedrock	0.90	Too clayey	0.50	Droughty	0.16
Berks		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Soils less than 20 inches deep to bedrock		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
5B:							
Botetourt	80	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
		Frost action	0.50				
Wolfgap		Not Rated		Not Rated		Not Rated	
6D:							
Calvin	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Slope	1.00	Depth to bedrock	0.54
		Frost action	0.50	Cutbanks cave	0.10		
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
6E:							

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6E:							
Calvin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Slope	1.00	Depth to bedrock	0.54
		Frost action	0.50	Cutbanks cave	0.10		
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
6F:							
Calvin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Slope	1.00	Depth to bedrock	0.54
		Frost action	0.50	Cutbanks cave	0.10		
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
7A:							
Clubcaf	85	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
Hayter		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Soils that have bedrock at depths of less than 60 inches		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
8D:							
Dekalb	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Slope	1.00	Droughty	0.69
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.54
Macove		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
8E:							
Dekalb	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.54	Slope	1.00	Droughty	0.69
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.54
Macove		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
9F:							
Drypond	45	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Calvin		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
10F:							
Drypond	75	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Calvin		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
11B:							
Ebbing	90	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Frost action	0.50	Cutbanks cave	0.10		
		Flooding	0.40				
Maurertown		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
11B: Speedwell		Not Rated		Not Rated		Not Rated	
12C: Edneytown	85	Somewhat limited Frost action Slope	0.50 0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope	0.37
Konnarock		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
12D: Edneytown	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
Konnarock		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
12E: Edneytown	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
Konnarock		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
13C: Elliber	80	Somewhat limited Frost action Slope	0.50 0.37	Very limited Cutbanks cave Slope	1.00 0.37	Very limited Gravel content Droughty Slope	1.00 0.64 0.37
Lily		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
13D: Elliber	80	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Gravel content Droughty	1.00 1.00 0.64
Lily		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13D:							
Weikert		Not Rated		Not Rated		Not Rated	
13E:							
Elliber	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	1.00
						Droughty	0.64
Lily		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
14B:							
Ernest	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to thick cemented pan	1.00	Depth to saturated zone	0.75
		Low strength	0.78	Depth to saturated zone	1.00	Depth to cemented pan	0.46
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Berks		Not Rated		Not Rated		Not Rated	
Faywood		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
14C:							
Ernest	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to thick cemented pan	1.00	Depth to saturated zone	0.75
		Low strength	0.78	Depth to saturated zone	1.00	Depth to cemented pan	0.46
		Depth to saturated zone	0.75	Slope	0.37	Slope	0.37

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
14C:							
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Berks		Not Rated		Not Rated		Not Rated	
Faywood		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
15C:							
Faywood	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.65
		Depth to hard bedrock	0.64	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
Ernest		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
15D:							
Faywood	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Depth to hard bedrock	0.64	Too clayey	0.50		
Ernest		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
15E:							

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15E:							
Faywood	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.65
		Depth to hard bedrock	0.64	Too clayey	0.50		
Ernest		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
16B:							
Frederick	85	Very limited		Very limited		Not limited	
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
16C:							
Frederick	75	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Too clayey	1.00	Slope	0.37
		Low strength	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
16D:							
Frederick	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16D:							
Westmoreland		Not Rated		Not Rated		Not Rated	
16E:							
Frederick	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00		
		Low strength	1.00	Cutbanks cave	0.10		
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
17C:							
Frederick	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	1.00
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
17D:							
Frederick	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
17E:							
Frederick	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Gravel content	1.00
		Low strength	1.00	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17E:							
Marbie		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
18D:							
Greenlee	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Content of large	1.00
		Content of large stones	0.99	Content of large stones	0.99	stones	
		Frost action	0.50	Cutbanks cave	0.10	Slope	1.00
						Droughty	0.02
Konnarock		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
19C:							
Hagerstown	45	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.88	Slope	0.04
		Shrink-swell	0.50	Depth to hard bedrock	0.42		
		Frost action	0.50	Cutbanks cave	0.10		
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
19E:							
Hagerstown	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88		
		Shrink-swell	0.50	Depth to hard bedrock	0.42		
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19E:							
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
20C:							
Hagerstown	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.88	Slope	0.37
		Shrink-swell	0.50	Depth to hard bedrock	0.42		
		Frost action	0.50	Slope	0.37		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
20D:							
Hagerstown	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88		
		Shrink-swell	0.50	Depth to hard bedrock	0.42		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
20E:							
Hagerstown	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88		
		Shrink-swell	0.50	Depth to hard bedrock	0.42		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20E:							
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
21D:							
Hagerstown	45	Very limited		Very limited		Very limited	
		Low strength	1.00	Slope	1.00	Slope	1.00
		Slope	1.00	Too clayey	0.88		
		Shrink-swell	0.50	Depth to hard bedrock	0.42		
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
22C:							
Hagerstown	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.88	Slope	0.37
		Shrink-swell	0.50	Depth to hard bedrock	0.42		
		Frost action	0.50	Slope	0.37		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
22D:							
Hagerstown	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88		
		Shrink-swell	0.50	Depth to hard bedrock	0.42		

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22D:							
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
23C:							
Hayter	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
Berks		Not Rated		Not Rated		Not Rated	
Clubcaf		Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated	1.00	Flooding	1.00
		Flooding	1.00	zone		Depth to saturated	1.00
		Depth to saturated	1.00	Cutbanks cave	1.00	zone	
		zone		Flooding	0.80		
Ernest		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
23D:							
Hayter	70	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Berks		Not Rated		Not Rated		Not Rated	
Clubcaf		Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated	1.00	Flooding	1.00
		Flooding	1.00	zone		Depth to saturated	1.00
		Depth to saturated	1.00	Cutbanks cave	1.00	zone	
		zone		Flooding	0.80		
Ernest		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
23D:							
Weikert		Not Rated		Not Rated		Not Rated	
24B:							
Ingledove	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.03
		Flooding	0.40				
Allegheny		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Wolfgap		Not Rated		Not Rated		Not Rated	
25C:							
Konnarock	80	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.95	Depth to hard bedrock	1.00	Droughty	1.00
		Frost action	0.50	Slope	0.37	Depth to bedrock	0.95
		Slope	0.37	Cutbanks cave	0.10	Slope	0.37
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
25D:							
Konnarock	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.95	Slope	1.00	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.95
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
25E:							
Konnarock	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.95	Slope	1.00	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.95
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
26B:							

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26B:							
Lily	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.90	Depth to hard bedrock	1.00	Depth to bedrock	0.90
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.42
		Low strength	0.22				
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
26C:							
Lily	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.90	Depth to hard bedrock	1.00	Depth to bedrock	0.90
		Frost action	0.50	Slope	0.37	Droughty	0.42
		Slope	0.37	Cutbanks cave	0.10	Slope	0.37
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
26D:							
Lily	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Depth to bedrock	0.90
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.42
Drypond		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26D:							
Weikert		Not Rated		Not Rated		Not Rated	
26E:							
Lily	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Depth to bedrock	0.90
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.42
Drypond		Not Rated		Not Rated		Not Rated	
Elliber		Not Rated		Not Rated		Not Rated	
Macove		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
27D:							
Litz	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	0.58
		Depth to hard bedrock	0.10	Cutbanks cave	0.10	Depth to bedrock	0.10
Hagerstown		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
27E:							
Litz	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	0.58
		Depth to hard bedrock	0.10	Cutbanks cave	0.10	Depth to bedrock	0.10
Hagerstown		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
27E:							
Opequon		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
27F:							
Litz	65	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	0.58
		Depth to hard bedrock	0.10	Cutbanks cave	0.10	Depth to bedrock	0.10
Hagerstown		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
28C:							
Litz	50	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to hard bedrock	1.00	Droughty	0.58
		Slope	0.37	Slope	0.37	Slope	0.37
		Depth to hard bedrock	0.10	Cutbanks cave	0.10	Depth to bedrock	0.10
Groseclose	30	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Too clayey	0.88	Slope	0.63
		Low strength	1.00	Slope	0.63		
		Slope	0.63	Cutbanks cave	0.10		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
28D:							
Litz	50	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	0.58
		Depth to hard bedrock	0.10	Cutbanks cave	0.10	Depth to bedrock	0.10
Groseclose	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.88		
		Low strength	1.00	Cutbanks cave	0.10		
Marbie		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
28D:							
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
28E:							
Litz	45	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	0.58
		Depth to hard bedrock	0.10	Cutbanks cave	0.10	Depth to bedrock	0.10
Groseclose	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.88		
		Low strength	1.00	Cutbanks cave	0.10		
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
29A:							
Lobdell	75	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated	1.00	Flooding	0.60
		Flooding	1.00	zone		Depth to saturated	0.19
		Depth to saturated	0.19	Flooding	0.60	zone	
		zone		Cutbanks cave	0.10		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone		zone		Depth to saturated	1.00
		Frost action	1.00	Cutbanks cave	1.00	zone	
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
30C:							
Macove	85	Very limited		Very limited		Somewhat limited	
		Content of large	1.00	Content of large	1.00	Content of large	0.92
		stones		stones		stones	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone		zone		Depth to saturated	1.00
		Frost action	1.00	Cutbanks cave	1.00	zone	
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
30C:							
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
30D:							
Macove	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	0.92
		Frost action	0.50	Cutbanks cave	0.10		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
30E:							
Macove	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	0.92
		Frost action	0.50	Cutbanks cave	0.10		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	

31C:

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31C:							
Macove	75	Very limited		Somewhat limited		Very limited	
		Content of large stones	0.99	Content of large stones	0.99	Gravel content	1.00
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10	Content of large stones	0.01
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
31D:							
Macove	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.99	Content of large stones	0.99	Gravel content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.01
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
31E:							
Macove	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.99	Content of large stones	0.99	Gravel content	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.01

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31E:							
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
32A:							
Maurertown	80	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Hayter		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
33A:							
Mongle	80	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Flooding	0.40				
Ingledove and Wheeling		Not Rated		Not Rated		Not Rated	
Maurertown		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Tumbling		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
34B:							
Monongahela	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to thick cemented pan	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to cemented pan	0.71
		Depth to thick cemented pan	0.71	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
34B:							
Allegheny		Not Rated		Not Rated		Not Rated	
Ingledove and Wheeling		Not Rated		Not Rated		Not Rated	
Shottower		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
34C:							
Monongahela	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to thick cemented pan	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to cemented pan	0.71
		Depth to thick cemented pan	0.71	Slope	0.37	Slope	0.37
Allegheny		Not Rated		Not Rated		Not Rated	
Ingledove and Wheeling		Not Rated		Not Rated		Not Rated	
Shottower		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
35C:							
Pigeonroost	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.06
				Depth to soft bedrock	0.06		
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
35D:							
Pigeonroost	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.06
				Depth to soft bedrock	0.06		
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
35D:							
Rock outcrops		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
35E:							
Pigeonroost	80	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Depth to soft bedrock	1.00 0.10 0.06	Very limited Slope Depth to bedrock	1.00 0.06
Edneytown		Not Rated		Not Rated		Not Rated	
Greenlee		Not Rated		Not Rated		Not Rated	
Rock outcrops		Not Rated		Not Rated		Not Rated	
Tate		Not Rated		Not Rated		Not Rated	
36F:							
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
Opequon	30	Very limited Depth to hard bedrock Slope Shrink-swell	1.00 1.00 1.00	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 1.00
Litz		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
37B:							
Shottower	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
Monongahela		Not Rated		Not Rated		Not Rated	
37C:							
Shottower	85	Very limited Low strength Slope Shrink-swell	1.00 0.63 0.50	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope	0.63
Monongahela		Not Rated		Not Rated		Not Rated	
37D:							

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
37D:							
Shottower	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50				
Monongahela		Not Rated		Not Rated		Not Rated	
38A:							
Sindion	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
Clubcaf		Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
Wheeling		Not Rated		Not Rated		Not Rated	
39A:							
Speedwell	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
Ebbing		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Wheeling		Not Rated		Not Rated		Not Rated	
40B:							
Tate	80	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
		Low strength	0.22				
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
40B:							
Monongahela		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
40C:							
Tate	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
		Low strength	0.22				
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	
40D:							
Tate	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
		Low strength	0.22				
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Konnarock		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Pigeonroost		Not Rated		Not Rated		Not Rated	

41B:

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
41B:							
Timberville	45	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Marbie	35	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	1.00
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Shrink-swell	0.50	Flooding	0.80	Depth to saturated zone	0.19
Clubcaf		Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
Frederick		Not Rated		Not Rated		Not Rated	
Hagerstown		Not Rated		Not Rated		Not Rated	
Watahala		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
42C:							
Timberville	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.16	Slope	0.16
		Flooding	0.40	Cutbanks cave	0.10		
		Slope	0.16				
Marbie	35	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Frost action	0.50	Slope	0.16	Slope	0.16
Clubcaf		Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
Frederick		Not Rated		Not Rated		Not Rated	
Hagerstown		Not Rated		Not Rated		Not Rated	
Watahala		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
42C:							
Westmoreland		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	
43B:							
Tumbling	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
43C:							
Tumbling	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37	Too clayey	0.03		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
43D:							
Tumbling	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
43D:							
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Ernest		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
44B:							
Tumbling	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Lily		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
44C:							
Tumbling	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37	Too clayey	0.03		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Lily		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
44D:							
Tumbling	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Lily		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
44E:							
Tumbling	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Atkins		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Ponding	1.00	Ponding	1.00
Lily		Not Rated		Not Rated		Not Rated	
Litz		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
45:							
Udorthents	70	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
46:							
Udorthents, dams	95	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
46:							
Weikert		Not Rated		Not Rated		Not Rated	
47:							
Udorthents	40	Not Rated		Not Rated		Not Rated	
Urban land	35	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
48:							
Urban land	85	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Udorthents		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
49C:							
Watahala	85	Somewhat limited		Very limited		Very limited	
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	1.00
		Slope	0.37	Too clayey	0.50	Slope	0.37
				Slope	0.37	Droughty	0.15
Marbie		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
49D:							
Watahala	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	1.00
				Too clayey	0.50	Droughty	0.15
Marbie		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
49E:							
Watahala	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	1.00
				Too clayey	0.50	Droughty	0.15

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
49E:							
Marbie		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
50D:							
Weikert	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Allegheny		Not Rated		Not Rated		Not Rated	
Elliber		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
50E:							
Weikert	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Allegheny		Not Rated		Not Rated		Not Rated	
Elliber		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
50F:							
Weikert	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
50F:							
Allegheny		Not Rated		Not Rated		Not Rated	
Elliber		Not Rated		Not Rated		Not Rated	
Ernest		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Hayter		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
51C:							
Westmoreland	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Depth to hard bedrock	0.32		
		Slope	0.37	Cutbanks cave	0.10		
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
51D:							
Westmoreland	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to hard bedrock	0.32		
		Frost action	0.50	Cutbanks cave	0.10		
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
51E:							

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
51E:							
Westmoreland	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to hard bedrock	0.32		
		Frost action	0.50	Cutbanks cave	0.10		
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
51F:							
Westmoreland	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to hard bedrock	0.32		
		Frost action	0.50	Cutbanks cave	0.10		
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
52D:							
Westmoreland	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Depth to hard bedrock	0.32		
		Frost action	0.50	Cutbanks cave	0.10		
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
52D:							
Timberville		Not Rated		Not Rated		Not Rated	
52E:							
Westmoreland	45	Very limited Slope Low strength Frost action	1.00 1.00 0.50	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 0.32 0.10	Very limited Slope	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
52F:							
Westmoreland	45	Very limited Slope Low strength Frost action	1.00 1.00 0.50	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 0.32 0.10	Very limited Slope	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Berks		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Timberville		Not Rated		Not Rated		Not Rated	
53B:							
Wheeling	80	Somewhat limited Frost action Flooding	0.50 0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Allegheny		Not Rated		Not Rated		Not Rated	
Monongahela		Not Rated		Not Rated		Not Rated	
Speedwell		Not Rated		Not Rated		Not Rated	
Wyrick		Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
54A:							
Wolfgap	85	Very limited Flooding Frost action	1.00 0.50	Somewhat limited Flooding Cutbanks cave	0.60 0.10	Somewhat limited Flooding	0.60
Botetourt		Not Rated		Not Rated		Not Rated	
Ingledove		Not Rated		Not Rated		Not Rated	
55B:							
Wyrick	50	Very limited Low strength Frost action Shrink-swell	1.00 0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
Marbie	30	Very limited Depth to thick cemented pan Shrink-swell Frost action	1.00 0.50 0.50	Very limited Depth to thick cemented pan Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Very limited Depth to cemented pan Depth to saturated zone Droughty	1.00 0.19 0.03
Clubcaf		Very limited Frost action Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
Maurertown		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
55C:							
Wyrick	50	Very limited Low strength Frost action Slope	1.00 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Marbie	30	Very limited Depth to thick cemented pan Shrink-swell Frost action	1.00 0.50 0.50	Very limited Depth to thick cemented pan Depth to saturated zone Slope	1.00 1.00 0.37	Very limited Depth to cemented pan Slope Depth to saturated zone	1.00 0.37 0.19

Table ENG-4. - Building Site Development - Continued

Washington County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
55C:							
Clubcaf		Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
Maurertown		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
55D:							
Wyrick	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Marbie	30	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Depth to saturated zone	0.19
Clubcaf		Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
Maurertown		Not Rated		Not Rated		Not Rated	
Mongle		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Sindion		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	